

ABSTRACT

A wet concrete recycling system for mixing trucks returning to the cement plant throughout the workday. “Residual-collection” molds, kept on-hand at the plant, are filled with any excess wet concrete present in the returning trucks. The molds are configured to form finished components such as ground planks, shoring planks, stack wall planks, and the like. The finished components are low in cost due to the use of recycled wet concrete, inexpensive reinforcing materials, and handles/assembly elements fabricated from other recycled materials. The finished components may be sold or leased to customers, thereby converting costs typically associated with traditional residual concrete disposal techniques into supplemental income streams. The finished components may be assembled into a wide variety of useful structures such as temporary covers for road construction/repair excavations, sidewalks, remote/private road surfaces, irrigation ditches, walls, temporary salt domes, mid- to large-size planters, basketball courts, golf driving ranges, community parks, and roadway barriers. All structures assembled from two or more of the finished components are inexpensive due to the low cost of the individual components, easily constructed, and may be permanent or temporary in nature.